

**Amendments to the Specification**

Please delete Table 1, which appears in the specification at pages 10-12 and substitute the following Table 1 in place thereof.

Table 1

Common Name	Genus, species name	Reference
Desert Locust	Schistocera gregaria	Nature 263:207-211, 1976; Experimentia 48(5):430-438, 1992; J. Neuro. Sci. 9:996-1003, 1989
Migratory Locust	Locusta migratoria	Nature 263:207-211 1976; Biol. Chem. Hoppe Seyler 366(8):723-727, 1985; Eur. J. Biochem. 195(2):351-359, 1991
Honey bee	Apis mellifera	J. Insect Phys. 45:647-653, 1999; Biochem. Biophys. Res. Comm. 133(1):337-342, 1985
Dragonfly	Libellula auripennis	Biol. Chem. Hoppe Seyler 371 (6): 475-483 1990
Emperor dragonfly	Anax imperator	Peptides 15(1):1-6, 1994
Damselfly	Pseudagrion inconspicuum	Biochem. J. 302:539-543, 1994
Damselfly	Ishnura senegalensis	Biochem. J. 302:539-543, 1994
Sawfly	Tenthredo arcuata	J. Insect Physiol. 47(6):563-571, 2001
Fruit fly	Drosophila melanogaster	Biochem. J. 269(2):315-320, 1990
Horse fly	Tabanus atratus	Proc. Natl. Acad. Sci. USA 86:8161-8164, 1989
Blowfly	Phormia terraenova	Biochem. J. 269(2):309-312, 1990
Butterfly	Vanessa cardui	Eur. J. Entomol. 96(3):309-315, 1999; Eur. J. Biochem. 267:5502-5508, 2000

Tobacco hornworm moth	<i>Manduca sexta</i>	J. Insect Phys. 45:647-653, 1999; Biochem. Biophys. Res. Comm. 133(1):337-342, 1985
Beetle	<i>Melolontha melolontha</i>	Biochem. J. 275:671-677, 1991
Beetle	<i>Geotrupes stercorosus</i>	Biochem. J. 275:671-677 1991
Onitine beetle	<i>Onitis</i> sp.	Biochem. J. 321:201-206, 1997
Tenebrionid beetle	<i>Tenebrio molitor</i>	Peptides 11(3):455-459, 1990
Tenebrionid beetle	<i>Zophobas rugipes</i>	Peptides 11(3):455-459, 1990
Dung Beetle	<i>Scarabaeus</i> sp.	Biochem. Biophys. Res. Commun. 230(1):16-21, 1997
Grasshopper	<i>Phymateus leprosus</i>	Reg. Peptides 57(3):247-252, 1995
Grasshopper	<i>Melanoplus sanguinipes</i>	Biochem. Biophys. Res. Comm. 239:763-768, 1997
African pyrgomorphid grasshopper	<i>Dictyophorus spumans</i>	Insect Biochem. Mol. Biol. 30(11):1061-1067, 2000
African pyrgomorphid grasshopper	<i>Phymateus morbillosus</i>	Insect Biochem. Mol. Biol. 30(11):1061-1067, 2000
Cricket	<i>Gryllodes sigillatus</i>	Biol. Chem. Hoppe Seyler 373(11):1169-1178, 1992
King cricket	<i>Libanasidus vittatus</i>	Biol. Chem. Hoppe Seyler 373(11):1169-1178, 1992
Ground cricket	<i>Heterodes namaqua</i>	Biol. Chem. Hoppe Seyler 373(11):1169-1178, 1992
Ground cricket	<i>Acanthoproctus cervinus</i>	Biol. Chem. Hoppe Seyler 373(11):1169-1178, 1992

American cockroach	Periplaneta americana	Peptides 16(7):1173-1180 1995
Cockroach	Leucophaea maderae	Biol. Chem. Hoppe Seyler 371(4):345-354, 1990
Cockroach	Gromphadorhina portenetosa	Biol. Chem. Hoppe Seyler 371(4):345-354, 1990
Cockroach	Blattella germanica	Biol. Chem. Hoppe Seyler 371(4):345-354, 1990
Cockroach	Blatta orientalis	Biol. Chem. Hoppe Seyler 371(4):345-354, 1990
Tropical cockroach	Blaberus discoidalis	Biochem. Biophys. Res. Comm. 140:674-678, 1986; Biol. Chem. Hoppe Seyler 371(4):345-354, 1990
Primitive cockroach	Polyphaga aegyptiaca	Gen. Comp. Endocrinol. 86(1):119-127, 1992
Mantid	Empusa pennata	Biol. Chem. Hoppe Seyler 372(3):193-201, 1991
Periodical cicadas	Platypeura <u>Platypleura</u> capensis Cacama valavata Diceroprocta semicinta	Insect Biochem. Mol. Biol. 25(8):929-932, 1995; Biol. Chem. Hoppe Seyler 375:803-809, 1994; Arch. Insect Biochem. Physiol. 29(4):391-396, 1995
Stick Insect	Extatosoma tiaratum	Biol. Chem. Hoppe-Seyler 67:368, 1987
Firebug	Pyrrhocoris apterus	Insect Biochem. Mol. Biol. 30(6):489-498, 2000
Corn ear worm	Heliothis zea	Biochem. Biophys. Res. Comm. 135:622-628, 1986; Biochem. Biophys. Res. Comm. 155:334-350, 1988

Please delete Table 3, which appears in the specification at pages 13-16 and substitute the following Table 3 in place thereof.

Table 3

Common Name	Genus, species name	Amino Acid Sequence (SEQ ID NO:)	N-Terminal pyroGlu residue?	C-Terminal amination?
Desert Locust	Schistocera gregaria	1	X	X
Desert Locust	Schistocera gregaria	4	X	X
Desert Locust	Schistocera gregaria	4	X	X
Desert Locust	Schistocera gregaria	35	X	X
Migratory Locust	Locusta migratoria	1	X	X
Migratory Locust	Locusta migratoria	10	X	X
Migratory Locust	Locusta migratoria	11	X	X
Honey bee	Apis mellifera	3	X	X
Dragonfly	Libellula auripennis	16	X	X
Emperor dragonfly	Anax imperator	17	X	X
Damselfly	Pseudagrion inconspicuum	5	X	X
Damselfly	Pseudagrion inconspicuum	26	X	X
Damselfly	Ishnura senegalensis	26	X	X
Sawfly	Tenthredo arcuata	36	X	

Fruit fly	Drosophila melanogaster	6	X	X
Horse fly	Tabanus atratus	14	X	X
Horse fly	Tabanus atratus	40	X	X
Blowfly	Phormia terraenova	7	X	X
Butterfly	Vanessa cardui	8	X	X
Butterfly	Vanessa cardui	37	X	No
Tobacco hornworm moth	Manduca sexta	3	X	X
Beetle	Melolontha melolontha	13	X	X
Beetle	Geotrupes stercorosus	13	X	X
Onitine beetle	Onitis sp.	30	X	X
Onitine beetle	Onitis sp.	31	X	X
Tenebrionid beetle	Tenebrio molitor	20	X	X
Tenebrionid beetle	Zophobas rugipes	20	X	X
Dung Beetle	Scarabaeus sp.	28	X	X
Dung Beetle	Scarabaeus sp.	29	X	X
Grasshopper	Phymateus leprosus	15	X	X
Grasshopper	Melanoplus sanguinipes	1	X	X
African pyrgomorphid grasshopper	Dictyophorus spumans	27	X	X

African pyrgomorphid grasshopper	Phymateus morbillosus	27	X	X
Grasshopper	Phymateus leprosus	39	X	X
Cricket	Gryllodes sigillatus	24	X	X
King cricket	Libanasidus vittatus	25	X	X
Ground cricket	Heterodes namaqua	25	X	X
Ground cricket	Acanthoproctus cervinus	25	X	X
American cockroach	Periplaneta americana	12	X	X
American cockroach	Periplaneta americana	38	X	X
Cockroach	Leucophaea maderae	38	X	X
Cockroach	Leucophaea maderae	38	X	X
Cockroach	Gromphadorhina portenetosa	2	X	X
Cockroach	Gromphadorhina portenetosa	2	X	X
Cockroach	Blattella germanica	2	X	X
Cockroach	Blatta orientalis	18	X	X
Cockroach	Blatta orientalis	19	X	X
Tropical cockroach	Blaberus discoidalis	2	X	X
Primitive cockroach	Polyphaga aegyptiaca	21	X	X

Primitive cockroach	Polyphaga aegyptiaca	22	X	X
Mantid	Empusa pennata	23	X	X
Periodical cicadas	<del>Platypleura</del> <u>Platypleura</u> capensis Cacama valavata Diceroprocta semicinta	32	X	X
Stick Insect	Extatosoma tiaratum	33	X	X
Firebug	Pyrrhocoris apterus	9	X	X
Corn ear worm	Heliothis zea	3	X	X
Corn ear worm	Heliothis zea	34	X	X